

**BANGALORE ELECTRICITY SUPPLY COMPANY
LIMITED**



SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	Particulars	Unit	Total Qty	Material Code
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	3	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	15	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	41	CDS materials for General works
4	Supply & Providing of 45KN Composite polymer insulators.	No	75	283320
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	96	283008
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	30	CDS materials for General works
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCO Specification	Km	5.65355	284108
8	Supply & Providing of Spiral Earth Electrode	No	22	281683
9	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	8	304212
10	Supply & providing of caution/Danger board as per drawing no.BESCO/GM/CP/40/24.10.17	No	8	613050
11	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	16	278911
12	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	1	CDS materials for General works
13	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	1	321438
14	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCO/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	24	281674+600095 +607054, CDS 60
15	Supply & providing of GI wire 8SWG	kg	40	281008
16	Supply & providing of Guy wire 7/10SWG	kg	80	281110
17	Supply & providing of 11kV lightning arrestors, polymer Type,9kV 5 kA (Set=3No)	Set	10	303202, CDS 60
18	Supply & providing of LT Protection kit	No	8	301107
19	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		0	
	i) Al Lead Wire - 95 Sqmm	Mtr	45	289031
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	4	288531
	iii) PG Clamp - Rabbit to 95 Sqmm	No	4	285508, CDS 60

	iv) Spacer for DTC Wiring	No	4	284503
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	2	280800+280511, CDS 60
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	0	CDS 39
20	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	8	302122
21	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	7	821900
22	Supply & Erection of 9M PSCC pole WL 300Kg	No	7	200005
23	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	7	280119, CDS materials for General works
24	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	7	321437
25	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		7	
a	Aluminium lead wire 50 sqmm	Mtr	175	289031
b	Heavy duty long barrel copper lugs- 50 sqmm	No	42	288531
c	P.G Clamps - Rabbit to 50 sq.mm	No	42	285508, CDS 63
d	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	14	280800+280511, CDS 63
e	Spacers for DTC wiring	No	42	284503
f	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	7	CDS 39
26	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	12	200004
27	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	20	280014, CDS materials for General works
28	1.1 kV Pin Insulator with GI Pin	No	28	283053, CDS 5
29	No. 8 Strain Insulator	No	64	283158
30	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	11	CDS materials for General works
31	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps Meter & 50/5A CT including wiring	No	4	CDS 69

PART-II ERECTION PORTION			
SL No	Particulars	Unit	Total Qty
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	3
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	15
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	41
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	30
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCO Specification	Km	5.6535
6	Supply & Providing of Spiral Earth Electrode	No	22
7	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	8
8	Supply & providing of caution/Danger board as per drawing no.BESCO/GM/CP/40/24.10.17	No	8
9	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	16
10	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	1
11	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	1
12	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCO/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	24
13	Supply & providing of 11kV lightning arrestors, polymer Type,9kV 5 kA (Set=3No)	Set	10
14	Supply & providing of LT Protection kit	No	8
15	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		0
	i) Al Lead Wire - 95 Sqmm	Mtr	45
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	4
	iii) PG Clamp - Rabbit to 95 Sqmm	No	4
	iv) Spacer for DTC Wiring	No	4

	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	2
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	0
16	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	8
17	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	7
18	Supply & Erection of 9M PSCC pole WL 300Kg	No	7
19	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	7
20	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	7
21	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		7
a	Aluminium lead wire 50 sqmm	Mtr	175
b	Heavy duty long barrel copper lugs- 50 sqmm	No	42
c	P.G Clamps - Rabbit to 50 sq.mm	No	42
d	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	14
e	Spacers for DTC wiring	No	42
f	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	7
22	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	12
23	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	20
24	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	11
25	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps Meter & 50/5A CT including wiring	No	4